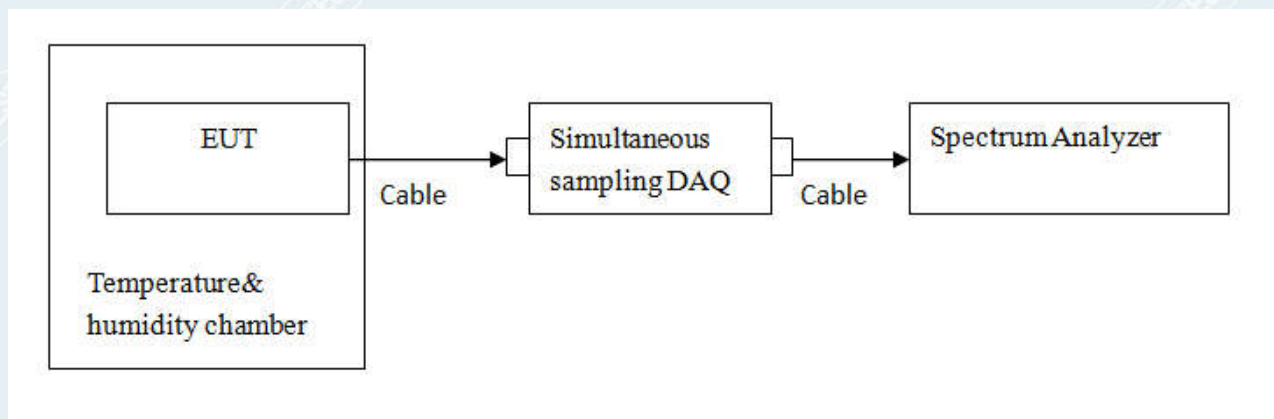


- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

- b) Tune the EUT to one of the number of frequencies required in §ANSI C63.10-2013(5.6). Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in §ANSI C63.10-2013(5.6).
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage as described in §ANSI C63.10-2013(5.13).

### 10.3 TEST SETUP



----- The following blanks -----

## 10.4 TEST RESULTS

<b>Tested By</b>	Yang Zhaoyun	<b>Tested Date</b>	2022-11-22
<b>Environmental Conditions</b>	24.2°C/49%RH/101.0kPa	<b>Test Voltage</b>	DC 12V

Test Mode	Antenna	Frequency [MHz]	Voltage			Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)					
802.11a	Ant1	5180	NV	NT		-40000.00	-7.722008	20	PASS
			LV	NT		-60000.00	-11.583012	20	PASS
			HV	NT		-40000.00	-7.722008	20	PASS
		5200	NV	NT		-40000.00	-7.692308	20	PASS
			LV	NT		-40000.00	-7.692308	20	PASS
			HV	NT		-40000.00	-7.692308	20	PASS
		5240	NV	NT		-40000.00	-7.633588	20	PASS
			LV	NT		-60000.00	-11.450382	20	PASS
			HV	NT		-40000.00	-7.633588	20	PASS
		5745	NV	NT		-40000.00	-6.962576	20	PASS
			LV	NT		-60000.00	-10.443864	20	PASS
			HV	NT		-60000.00	-10.443864	20	PASS
		5785	NV	NT		-60000.00	-10.371651	20	PASS
			LV	NT		-60000.00	-10.371651	20	PASS
			HV	NT		-60000.00	-10.371651	20	PASS
		5825	NV	NT		-60000.00	-10.300429	20	PASS
			LV	NT		-60000.00	-10.300429	20	PASS
			HV	NT		-40000.00	-6.866953	20	PASS
802.11n HT20	Ant1	5180	NV	NT		-40000.00	-7.722008	20	PASS
			LV	NT		-40000.00	-7.722008	20	PASS
			HV	NT		-60000.00	-11.583012	20	PASS
		5200	NV	NT		-40000.00	-7.692308	20	PASS
			LV	NT		-40000.00	-7.692308	20	PASS
			HV	NT		-40000.00	-7.692308	20	PASS
		5240	NV	NT		-60000.00	-11.450382	20	PASS
			LV	NT		-40000.00	-7.633588	20	PASS
			HV	NT		-60000.00	-11.450382	20	PASS
		5745	NV	NT		-40000.00	-6.962576	20	PASS
			LV	NT		-40000.00	-6.962576	20	PASS
			HV	NT		-60000.00	-10.443864	20	PASS
		5785	NV	NT		-80000.00	-13.828868	20	PASS
			LV	NT		-60000.00	-10.371651	20	PASS
			HV	NT		-60000.00	-10.371651	20	PASS
		5825	NV	NT		-60000.00	-10.300429	20	PASS
			LV	NT		-40000.00	-6.866953	20	PASS
			HV	NT		-40000.00	-6.866953	20	PASS

802.11n HT40	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
802.11ac VHT20	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-60000.00	-11.583012	20	PASS
		5200	NV	NT	-40000.00	-7.692308	20	PASS
			LV	NT	-40000.00	-7.692308	20	PASS
			HV	NT	-60000.00	-11.538462	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	-60000.00	-11.450382	20	PASS
			HV	NT	-40000.00	-7.633588	20	PASS
		5745	NV	NT	-40000.00	-6.962576	20	PASS
			LV	NT	-60000.00	-10.443864	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	-60000.00	-10.371651	20	PASS
			LV	NT	-60000.00	-10.371651	20	PASS
			HV	NT	-60000.00	-10.371651	20	PASS
		5825	NV	NT	-40000.00	-6.866953	20	PASS
			LV	NT	-60000.00	-10.300429	20	PASS
			HV	NT	-40000.00	-6.866953	20	PASS
802.11ac VHT40	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
802.11ac VHT80	Ant1	5210	NV	NT	-80000.00	-15.355086	20	PASS
			LV	NT	-80000.00	-15.355086	20	PASS
			HV	NT	-80000.00	-15.355086	20	PASS
		5775	NV	NT	-80000.00	-13.852814	20	PASS
			LV	NT	-80000.00	-13.852814	20	PASS
			HV	NT	-80000.00	-13.852814	20	PASS

Temperature								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
802.11a	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
			NV	-20	-40000.00	-7.722008	20	PASS
			NV	-10	-40000.00	-7.722008	20	PASS
			NV	0	-40000.00	-7.722008	20	PASS
			NV	10	-40000.00	-7.722008	20	PASS
			NV	20	-40000.00	-7.722008	20	PASS
			NV	30	-60000.00	-11.583012	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
			NV	50	-60000.00	-11.583012	20	PASS
		5200	NV	-30	-40000.00	-7.692308	20	PASS
			NV	-20	-40000.00	-7.692308	20	PASS
			NV	-10	-40000.00	-7.692308	20	PASS
			NV	0	-40000.00	-7.692308	20	PASS
			NV	10	-40000.00	-7.692308	20	PASS
			NV	20	-40000.00	-7.692308	20	PASS
			NV	30	-40000.00	-7.692308	20	PASS
			NV	40	-40000.00	-7.692308	20	PASS
			NV	50	-40000.00	-7.692308	20	PASS
		5240	NV	-30	-40000.00	-7.633588	20	PASS
			NV	-20	-60000.00	-11.450382	20	PASS
			NV	-10	-40000.00	-7.633588	20	PASS
			NV	0	-40000.00	-7.633588	20	PASS
			NV	10	-40000.00	-7.633588	20	PASS
			NV	20	-60000.00	-11.450382	20	PASS
			NV	30	-40000.00	-7.633588	20	PASS
			NV	40	-40000.00	-7.633588	20	PASS
			NV	50	-40000.00	-7.633588	20	PASS
		5745	NV	-30	-40000.00	-6.962576	20	PASS
			NV	-20	-60000.00	-10.443864	20	PASS
			NV	-10	-40000.00	-6.962576	20	PASS
			NV	0	-40000.00	-6.962576	20	PASS
			NV	10	-60000.00	-10.443864	20	PASS
			NV	20	-60000.00	-10.443864	20	PASS
			NV	30	-60000.00	-10.443864	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS

		5785	NV	-30	-60000.00	-10.371651	20	PASS		
			NV	-20	-60000.00	-10.371651	20	PASS		
			NV	-10	-60000.00	-10.371651	20	PASS		
			NV	0	-60000.00	-10.371651	20	PASS		
			NV	10	-60000.00	-10.371651	20	PASS		
			NV	20	-40000.00	-6.914434	20	PASS		
			NV	30	-60000.00	-10.371651	20	PASS		
			NV	40	-60000.00	-10.371651	20	PASS		
			NV	50	-60000.00	-10.371651	20	PASS		
		5825	NV	-30	-40000.00	-6.866953	20	PASS		
			NV	-20	-60000.00	-10.300429	20	PASS		
			NV	-10	-60000.00	-10.300429	20	PASS		
			NV	0	-60000.00	-10.300429	20	PASS		
			NV	10	-40000.00	-6.866953	20	PASS		
			NV	20	-60000.00	-10.300429	20	PASS		
			NV	30	-60000.00	-10.300429	20	PASS		
			NV	40	-60000.00	-10.300429	20	PASS		
			NV	50	-60000.00	-10.300429	20	PASS		
		802.11n HT20	Ant1	5180	NV	-30	-60000.00	-11.583012	20	PASS
					NV	-20	-40000.00	-7.722008	20	PASS
NV	-10				-40000.00	-7.722008	20	PASS		
NV	0				-40000.00	-7.722008	20	PASS		
NV	10				-60000.00	-11.583012	20	PASS		
NV	20				-40000.00	-7.722008	20	PASS		
NV	30				-60000.00	-11.583012	20	PASS		
NV	40				-40000.00	-7.722008	20	PASS		
NV	50				-60000.00	-11.583012	20	PASS		
5200	NV			-30	-40000.00	-7.692308	20	PASS		
	NV			-20	-60000.00	-11.538462	20	PASS		
	NV			-10	-40000.00	-7.692308	20	PASS		
	NV			0	-40000.00	-7.692308	20	PASS		
	NV			10	-40000.00	-7.692308	20	PASS		
	NV			20	-40000.00	-7.692308	20	PASS		
	NV			30	-40000.00	-7.692308	20	PASS		
	NV			40	-40000.00	-7.692308	20	PASS		
	NV			50	-60000.00	-11.538462	20	PASS		



		5240	NV	-30	-60000.00	-11.450382	20	PASS
			NV	-20	-40000.00	-7.633588	20	PASS
			NV	-10	-60000.00	-11.450382	20	PASS
			NV	0	-60000.00	-11.450382	20	PASS
			NV	10	-60000.00	-11.450382	20	PASS
			NV	20	-60000.00	-11.450382	20	PASS
			NV	30	-40000.00	-7.633588	20	PASS
			NV	40	-40000.00	-7.633588	20	PASS
			NV	50	-40000.00	-7.633588	20	PASS
		5745	NV	-30	-40000.00	-6.962576	20	PASS
			NV	-20	-40000.00	-6.962576	20	PASS
			NV	-10	-40000.00	-6.962576	20	PASS
			NV	0	-60000.00	-10.443864	20	PASS
			NV	10	-40000.00	-6.962576	20	PASS
			NV	20	-60000.00	-10.443864	20	PASS
			NV	30	-60000.00	-10.443864	20	PASS
			NV	40	-60000.00	-10.443864	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS
		5785	NV	-30	-40000.00	-6.914434	20	PASS
			NV	-20	-60000.00	-10.371651	20	PASS
			NV	-10	-60000.00	-10.371651	20	PASS
			NV	0	-40000.00	-6.914434	20	PASS
			NV	10	-40000.00	-6.914434	20	PASS
			NV	20	-60000.00	-10.371651	20	PASS
			NV	30	-60000.00	-10.371651	20	PASS
			NV	40	-60000.00	-10.371651	20	PASS
			NV	50	-40000.00	-6.914434	20	PASS
		5825	NV	-30	-60000.00	-10.300429	20	PASS
			NV	-20	-60000.00	-10.300429	20	PASS
			NV	-10	-40000.00	-6.866953	20	PASS
			NV	0	-60000.00	-10.300429	20	PASS
			NV	10	-60000.00	-10.300429	20	PASS
			NV	20	-40000.00	-6.866953	20	PASS
			NV	30	-80000.00	-13.733906	20	PASS
			NV	40	-60000.00	-10.300429	20	PASS
			NV	50	-40000.00	-6.866953	20	PASS

802.11n HT40	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	-40000.00	-7.707129	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	-40000.00	-7.707129	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
		5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
		5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-80000.00	-13.900956	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS

802.11ac VHT20	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
			NV	-20	-60000.00	-11.583012	20	PASS
			NV	-10	-40000.00	-7.722008	20	PASS
			NV	0	-40000.00	-7.722008	20	PASS
			NV	10	-60000.00	-11.583012	20	PASS
			NV	20	-40000.00	-7.722008	20	PASS
			NV	30	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
			NV	50	-40000.00	-7.722008	20	PASS
		5200	NV	-30	-40000.00	-7.692308	20	PASS
			NV	-20	-40000.00	-7.692308	20	PASS
			NV	-10	-40000.00	-7.692308	20	PASS
			NV	0	-40000.00	-7.692308	20	PASS
			NV	10	-40000.00	-7.692308	20	PASS
			NV	20	-40000.00	-7.692308	20	PASS
			NV	30	-40000.00	-7.692308	20	PASS
			NV	40	-40000.00	-7.692308	20	PASS
			NV	50	-40000.00	-7.692308	20	PASS
		5240	NV	-30	-40000.00	-7.633588	20	PASS
			NV	-20	-60000.00	-11.450382	20	PASS
			NV	-10	-40000.00	-7.633588	20	PASS
			NV	0	-40000.00	-7.633588	20	PASS
			NV	10	-60000.00	-11.450382	20	PASS
			NV	20	-40000.00	-7.633588	20	PASS
			NV	30	-60000.00	-11.450382	20	PASS
			NV	40	-60000.00	-11.450382	20	PASS
			NV	50	-40000.00	-7.633588	20	PASS
		5745	NV	-30	-40000.00	-6.962576	20	PASS
			NV	-20	-60000.00	-10.443864	20	PASS
			NV	-10	-60000.00	-10.443864	20	PASS
			NV	0	-60000.00	-10.443864	20	PASS
			NV	10	-60000.00	-10.443864	20	PASS
			NV	20	-60000.00	-10.443864	20	PASS
			NV	30	-60000.00	-10.443864	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS



		5785	NV	-30	-60000.00	-10.371651	20	PASS
			NV	-20	-60000.00	-10.371651	20	PASS
			NV	-10	-40000.00	-6.914434	20	PASS
			NV	0	-60000.00	-10.371651	20	PASS
			NV	10	-60000.00	-10.371651	20	PASS
			NV	20	-40000.00	-6.914434	20	PASS
			NV	30	-40000.00	-6.914434	20	PASS
			NV	40	-40000.00	-6.914434	20	PASS
			NV	50	-60000.00	-10.371651	20	PASS
		5825	NV	-30	-60000.00	-10.300429	20	PASS
			NV	-20	-40000.00	-6.866953	20	PASS
			NV	-10	-40000.00	-6.866953	20	PASS
			NV	0	-60000.00	-10.300429	20	PASS
			NV	10	-60000.00	-10.300429	20	PASS
			NV	20	-40000.00	-6.866953	20	PASS
			NV	30	-60000.00	-10.300429	20	PASS
			NV	40	-60000.00	-10.300429	20	PASS
			NV	50	-40000.00	-6.866953	20	PASS
802.11ac VHT40	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	-40000.00	-7.707129	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	-40000.00	-7.707129	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
		5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS

		5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
802.11ac VHT80	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-15.355086	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-15.355086	20	PASS
			NV	40	-80000.00	-15.355086	20	PASS
			NV	50	-80000.00	-15.355086	20	PASS
		5775	NV	-30	-80000.00	-13.852814	20	PASS
			NV	-20	-80000.00	-13.852814	20	PASS
			NV	-10	-80000.00	-13.852814	20	PASS
			NV	0	-80000.00	-13.852814	20	PASS
			NV	10	-80000.00	-13.852814	20	PASS
			NV	20	-80000.00	-13.852814	20	PASS
			NV	30	-80000.00	-13.852814	20	PASS
			NV	40	-80000.00	-13.852814	20	PASS
			NV	50	-80000.00	-13.852814	20	PASS

Note: 1.This report records the worst case of temperature change test observation time 0/2/5/10min .  
 2.Test Voltage-NV:DC 12V, Test Voltage-LV:DC 10.8V, Test Voltage-HV:DC 13.2V.  
 3.Temperature Range:-30°C~80°C, Temperature-NT: 24.2°C.

**APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM**

Please refer to the attached document E202210283700-01-6-Test photo.

**APPENDIX B. PHOTOGRAPH OF THE EUT**

Please refer to the attached document E202210283700-01-7-EUT photo.

----- End of Report -----

DATE